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## NOTICE OF ALLOWANCE AND FEE(S) DUE

23504

7590

02/24/2004

WEISS & MOY PC 4204 NORTH BROWN AVENUE SCOTTSDALE, AZ 85251 EXAMINER

KANG, DONGHEE

ART UNIT PAPER NUMBER

2811

DATE MAILED: 02/24/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/046,995	01/14/2002	Jong Sik Paek	W2K1085	6353

TITLE OF INVENTION: OPTICAL DEVICE PACKAGES HAVING IMPROVED CONDUCTOR EFFICIENCY, OPTICAL COUPLING AND THERMAL TRANSFER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	05/24/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- □ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-14

Alexandria, Virginia 22313-1450 or Fax (703) 746-4000								
INSTRUCTIONS: This for appropriate. All further cor indicated unless corrected to maintenance fee notification	rm should be used for tran respondence including the below or directed otherwise is.	smitting the ISSU Patent, advance or in Block 1, by (a	-	<del></del> .	quired). Blocks 1 through 4 s s will be mailed to the current ess; and/or (b) indicating a sepa	hould be completed when correspondence address a arate "FEE ADDRESS" fo		
CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)				Fee(s) Transmittal.	Note: A certificate of mailing can only be used for domestic mailings of th Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must			
23504 75	590 02/24/2004			have its own certific	cate of mailing or transmission.	on or rothial drawing, mus		
WEISS & MOY 1 4204 NORTH BRO SCOTTSDALE, A			I hereby certify that States Postal Service addressed to the N	Certificate of Mailing or Trant t this Fee(s) Transmittal is bein the with sufficient postage for fit at Stop ISSUE FEE address SPTO, on the date indicated be	g deposited with the Unite st class mail in an envelop			
						(Depositor's name)		
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EXAM	IINER	ART UN	IT	CLASS-SUBCLASS				
KANG, D	ONGHEE	2811		257-433000	<u> </u>			
CFR 1.363).  Change of correspondence address (or Change of Corresponder Address form PTO/SB/122) attached.  "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Custo Number is required.			names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.					
PLEASE NOTE: Unless	d to the USPTO or is being	low, no assignee de submitted under sep	ata will appe parate cover.	ar on the patent. Inclusion of	f assignee data is only appropri IOT a substitute for filing an ass COUNTRY)	ate when an assignment ha aignment.		
Please check the appropriate	assignee category or category	ries (will not be pr	inted on the p	patent); 🚨 individual [	corporation or other private g	roup entity 🚨 governmen		
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estimated to take 12 minus completed application for case. Any comments on suggestions for reducing t Patent and Trademark ( 22313-1450. DO NOT S SEND TO: Commissioner	y is governed by 35 0.3.c. is test to complete, including g m to the USPTO. Time with amount of time you this burden, should be sent Office, U.S. Department END FEES OR COMPLE for Patents, Alexandria, Virginia 1.5. c. including the sent of the se	athering, preparing Il vary depending require to comple to the Chief Inforr of Commerce, A TED FORMS TO ginia 22313-1450.	g, and submit upon the incite this form mation Office lexandria, VO THIS ADI	ting the dividual and/or er, U.S. Virginia DRESS.				

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### United States Patent and Trademark Office

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SCOTTSDALI		- · · <del>-</del> -		ART UNIT	PAPER NUMBER	
	,		•	2811		
				DATE MAILED: 02/24/2004		

### Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)	<u></u>
	•		
	10/046,995 Examiner	PAEK, JONG SIK  Art Unit	
		0044	
	Donghee Kang	2811	<del></del>
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (of herewith (or previously mailed), a Notice of Allowance (PTOL-85) of NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGORY of the Office or upon petition by the applicant. See 37 CFR 1.313	OR REMAINS) CLOSED in other appropriate commedition is This application is	n this application. If not included unication will be mailed in due course.	THIS initiative
1. This communication is responsive to February 03, 2004.			
2. X The allowed claim(s) is/are 1, 3, 14-15, 19-31 and 33.			
3. The drawings filed on are accepted by the Examiner.			
4. ☑ Acknowledgment is made of a claim for foreign priority under a) ☑ All b) ☐ Some* c) ☐ None of the:  1. ☑ Certified copies of the priority documents have the certified copies of the priority documents have the copies of the certified copies of the priority documents have the certified copies of the priority documents have the priority documents have the certified copies of the priority documents have the priority documents have the certified copies of the priority documents have t	peen received. Deen received in Application Deen received in Application Deen received in Application  If this communication to file ENT of this application.  Ited. Note the attached EX or reason(s) why the oath of the submitted. Deen received in Amendment / Comment of the submitted of the attached EX or is Patent Drawing Review.  Amendment / Comment of the attached EX or is Patent Drawing Review.  It of BIOLOGICAL MAT	on No  of in this national stage application from the a reply complying with the requireme  AMINER'S AMENDMENT or NOTICE or declaration is deficient.  w ( PTO-948) attached or in the Office action of the drawings in the front (not the back) of FR 1.121(d).  ERIAL must be submitted. Note the	nts OF
Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date  4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview S Paper No 3), 7. ⊠ Examiner's	Informal Patent Application (PTO-152) Summary (PTO-413),  /Mail Date  S Amendment/Comment  S Statement of Reasons for Allowance  Donghee Kang Examiner  Art Unit: 2811	-

Application/Control Number: 10/046,995 Page 2

Art Unit: 2811

### **DETAILED ACTION**

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Andrew Harris on February 03, 2004.

The application has been amended as follows:

Claims 18 & 32 are cancelled.

In claim 1, line 8, change "glass" to - -transparent substrate- -.

In claim 1, line 13, change "glass" to - -transparent substrate- -.

In claim 14, line 8, change "glass" to - -transparent substrate- -.

In claim 14, line 13, change "glass" to - -transparent substrate- -.

In claim 19, line 2, change "glass" to - -transparent substrate- -.

In claim 20, line 2, change "glass" to - -transparent substrate- -.

In claim 21, line 4, change "glass" to - -transparent substrate- -.

In claim 28, line 2, change "glass" to - -transparent substrate- -.

In claim 29, line 2, change "glass" to - -transparent substrate- -.

In claim 30, line 4, change "glass" to --transparent substrate--.

# Allowable Subject Matter

2. Claims 1, 3, 14-15, 19-31 and 33 are allowed.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Donghee Kang whose telephone number is 571-272-1656. The examiner can normally be reached on Maxiflex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie C Lee can be reached on 703-308-1690. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Donghee Kang Examiner

Kanghash

Art Unit 2811

dhk